Safety Review Committee
July 15, 2005
10:00 AM – 12:00 PM

Minutes

Committee Member	Representing	Present
Ager, Joel W.	Materials Sciences Division	X
Banda, Michael J.	Computing Sciences Directorate	
Bercovitz, John H.	Mechanical Safety Subcommittee	X
Blodgett, Paul M.	Environment, Health and Safety Division	X
Feinberg, Benedict	Advanced Light Source Division	X
Fletcher, Kenneth A.	Facilities Department	
Hugenholtz, Phil	Genomics Division	X
Kadel, Richard W.	Physics Division	X
Kennedy, Burton Mack	Earth Sciences Division	X
Lucas, Donald	Environmental Energy Technologies Division	X
Macchiavelli, Augusto O.	Nuclear Science Division	
Mueller, Robert	Electrical Safety Subcommittee	X
Ramorino, Karen B.	Directorate/OCFO/Human Resources	X
Rao, Linfeng	Chemical Sciences Division	X
Schoenlein, Robert W.	Laser Safety Subcommittee	X
Seidl, Peter A.	Accelerator & Fusion Research Division	X
Smith, Linda K.	Emergency Preparedness Safety Subcommittee	X
Taylor, Scott E.	Life Sciences Division	
Thomas, Patricia M.	Safety Review Committee Secretary	X
Wong, Weyland	Engineering Division	X
Yokota, Hisao A.	Physical Biosciences Division	

Others Present
Tom Caronna, Eugene Lau, Phyllis Pei, Donna Spencer

Chairman's Comments – Don Lucas

The minutes of the June meeting were accepted.

MESH Status
The Business Services Division MESH is planned to be done in August.
The EH&S Division MESH is scheduled for next week (July 18-22).

Orbach Visit
DOE Office of Science director Ray Orbach visited the Laboratory on June 24. He met with safety committee chairs and some SRC members for about an hour to discuss his concerns regarding LBNL's safety performance.

Charter
Don Lucas has been talking to Weyland Wong, Division Safety Coordinators' Committee chair, and Carole Fried, EH&S Liaisons' Committee chair, to discuss committee charters, and whether it would be appropriate to designate these groups as subcommittees of the SRC. The purpose would be to ensure continuing communication between the committees.

PUB_3000, Chapter 8 Electrical Safety Update – Bob Mueller

PUB-3000, Chapter 8 is being updated to incorporate NFPA 70E requirements. This is being done because of the SLAC accident, Federal OSHA inspectors have been citing 70E, and it is listed as a reference in the CalOSHA regulations (29CFR1910). Several changes have been made to make Chapter 8 more user-friendly. Standing procedures can be approved for repetitive tasks, with daily verbal safety briefings. The training and qualifications required for working on energized systems has been clarified. Equipment-specific standards have been moved to the appendices. There are definitions of acronyms and key terms. There is contact information for the Electrical Safety Subcommittee members, which must be kept updated. Roles and responsibilities are defined. The Electrical Safety Subcommittee had to decide how to interpret 70E for R&D work.

The first choice is to determine whether there is a way to de-energize systems before working on them. The second choice is to install engineering controls, such as barriers, to prevent contact with energized equipment. Only a few situations will remain where people need to be qualified to work on energized equipment. Approximately 106 people have completed the 8-hour 70E course for qualified workers, and 8 people have been qualified as 70E trainers.

The Chapter 8 appendices will need to be modified and updated regularly, but the body of the chapter should require revision no more than once a year. There will be a roll-out meeting when the new chapter is released. It is expected that there will be questions about what non-qualified workers can and can't do. Tom Caronna is preparing a course for people who are not qualified electrical workers who work with or around electrical equipment. Energized electrical work will require training and division approval.

Some of our electrical incidents have resulted from equipment design defects, and the new requirements don't address the design process. We need a process for reviewing equipment that has not been approved by a testing laboratory. We expect this to be a requirement in the future. Knowledge is needed to build or work on equipment. Before assigning tasks, the person in charge must consider the employee's qualifications. Fabrication standards are an important priority. Engineering Division is working on them.

Electrical Safety Subcommittee is looking for feedback. LBNL has a 2-person rule that is not in 70E. There will be a section about batteries. They will consider providing some exceptions. SRC members asked for more examples and clarifications on what non-qualified workers can do. Researchers have an obligation to know the hazards and

controls for their equipment. They can work on cord-and-plug equipment if it is de-energized and they have positive control of the cord. The person who gives the safety briefing has been changed from "supervisor" to "person in charge".

Bob Mueller will publish version 10 for revisions. DOE visitors are coming July 28, and they will want to see Chapter 8 changes published. Bob would like to get comments from the affected Lab population. The SRC approved the Chapter 8 revisions in principle, with the option of minor editorial changes.

PUB-3000, Chapter 16 Laser Safety – Bob Schoenlein

Under the proposed changes to Chapter 16, the Nominal Hazard Zone will be the entire room where the laser is operating, unless otherwise defined by the Activity Hazard Document. The Stop Work Policy is reinforced. The SRC approved the changes requested by the Laser Safety Subcommittee.

DOE laser safety performance expectations require documentation of hands-on laser training. This will be documented through a signature page on the AHD.

The Laser Safety Officer plans to visit all laser labs by July 30, or issue a stop work notice. On July 15, there were 7 systems left to visit, and some users who missed the visits. The alignment reviews will become a permanent part of the work authorization process.

The AHD format and process will be standardized. The Laser Safety Subcommittee is proposing to require a full review of each system at least every 5 years.

The ANSI standards will be used as the Work Smart Standards for lasers.

Incident Reporting – Eugene Lau

It is difficult to find emergency reporting information quickly because it is buried in several website locations and you have to know where to look for it. Eugene would like to put the information on the LBNL home page. People would like to be able to call 486-7911 from cell phones to reach our emergency dispatch center, but it doesn't work. We should encourage people to store the emergency contact numbers on their cell phones' speed dial system. We can call 5472 for after-hours assistance, non-injuries, and incident reporting. We can also call the 5514 hotline to report concerns, although "anonymous" reports from your own lab phone aren't completely anonymous because they could be traced.

The meeting was adjourned at 12:00 PM
Respectfully submitted,
Patricia M. Thomas, SRC Secretary